Montana Board of Research and Commercialization Technology Board Meeting 301 South Park, Helena, Montana May 3, 2007

Board Members Attending:

John Youngberg, Chairman of the Board Marty Connell (arrived at 10:00 a.m.) Jim Davison Larry Hall Paul Tuss

Others Attending:

Dave Desch, Executive Director Jane Todd, Administrative Specialist Tony Priete, Director of Dept. of Commerce (9:45 – 9:50 am, 12:30 – 12:35pm)

I. Call to Order

Chairman John Youngberg called the meeting to order at 9:43 a.m.

II. Approval of Minutes

Chairman Youngberg asked for comments regarding the Minutes of the March 16, 2007, Board Meeting. There were no comments and Paul Tuss moved to approve the Minutes. Seconded by Jim Davison, the Minutes were approved as presented.

III. Review and discussion of proposals submitted March 1, 2007

[Larry Hall recused himself from #08-15 Research, Development, Test and Evaluation of Adelos System, #08-48 Collaborative Research Applications of Innovative Protein Fluorescence Lifetime Spectrometer, #08-52 Sonographic Analysis for Rapid Detection of Varroa Mites and Other Pathologies Without Opening the Beehive, #08-53 Virus Detection and Screening for Honey Bee Colony Collapse Disorder (CCD), #08-57 MINTS – Montana Integrated Notification and Tracking System. Paul Tuss recused himself from #08-33 Novel Camelina Oils for Biofuel and Biolubricants.]

A discussion was held regarding the large number of applications and how this might influence the review process. The board has about \$3.1 million for funding this application round. After Board discussion, the following projects were put in a "hold" category for the time being.

#08-05 A.L.E.R.T. Animal Location Evasive Response Technology Brian Baran, Camrix Engineering Corporation, Belgrade \$461,707 #08-22 Benchmark Simulation: Advanced Mathematical Algorithms to Improve Execution-Quality of Block Trades – NYSE Area Lester Dye, Benchmark Simulation, LLC, Missoula \$100,000

#08-31 Use of 100 Percent Fly Ash Based Concrete in Construction in Montana Jerry Stephens, Montana State University, Bozeman \$86,204

#08-39 Improving Wheat and Barley for Ethanol Production Mike Giroux, Montana State University, Bozeman \$234,000

#08-50 A Cost-Effective Vertical Axis Wind Turbine System that Provides Electrical Energy for Small to Midsize End-Users
Thaddeus Speed, Energy Transfer Corporation, Great Falls
#356,800

#08-51 A User-Friendly Energy Firming System that Provides Efficient Storage for Use with Small to Midsize Alternative Energy Systems
Thaddeus Speed, Energy Transfer Corporation, Great Falls
\$341,000

#08-53 Virus Detection and Screening for Honey Bee Colony Collapse Disorder (CCD) David Wick, BVS, Inc., Stevensville \$16,322 Larry Hall recused.

#08-54 Detection and Recovery of Respiratory Viruses in Bighorn Sheep David Wick, BVS, Inc., Stevensville \$66,357

#08-55 Environmental Detection and Recovery of High Contact Surfaces and Relationship to Viral Outbreaks
David Wicks, BVS, Inc., Stevensville
\$109,230

#08-61 Design Evaluation of SPeC (Suprapubic Endoscopic Cystotomy) Instrument Kenneth High, Swan Valley Medical, Inc., Bigfork/Helena \$222,800

#08-64 ECLIP: An Innovative, Energy Saving Building Product Conceived, Sourced, and to be Made in Montana Gray Davidson, Davidson Builders, Inc., Bozeman \$79,911 The Board discussed the following proposals in detail:

#08-01 Conjugate Vaccines to Prevent Shigellosis Gary Gustafson, EndoBiologic, Incorporated, Missoula \$250,000

The Board liked this project because:

Potentially good return on MBRCT funding

The Board expressed concerns as follows:

- Commercialization plan was not strong.
- Did not address outcome of MBRCT project #06-30 in application

#08-02 Commercialization and Final EPA Registration of BmJ as a Broad Spectrum Plant Microbial Disease Control Agent Clifford Bradley, Montana Microbial Products, Missoula \$223,734

The Board liked this project because:

- Continuation of successful previous projects
- The product has been approved for some crops and is an effective agent to comply in the organics area.

The Board expressed concerns as follows:

• As far as sugar beet application, it may be a little late and there may be no market.

#08-03 A Proposal to Develop a Non-Invasive Clinical Device that is Effective in Clearing Persistent Infections in Prosthetic Knee Implants

The Board liked this project because:

- Potential of market
- PI has prior experience in marketing medical device.
- If project works, it will supplement Montana's growing biofilm industry.

The Board expressed concerns as follows:

 Budget does not include equipment, but justification discusses equipment purchase.

The Board asked for a presentation of the project.

#08-04 Enhancement of Applied Translational Research in Biomedicine Richard Bridges, University of Montana, Missoula \$450,000

The Board liked this project because:

PI is among the best investigators who have received MBRCT funding.

- \$1 million in MBRCT support has generated an additional \$21 million from NIH, resulted in additional spin off activities, supports research being conducted, allows flexibility not available from NIH, and enabled hiring of additional investigators who additionally receive more federal grants.
- Unique and very successful.

The Board expressed no particular concerns.

#08-06 Developing a High-Power, Fiber Coupled, Electro-Optic Amplitude Modulator William Suckow, AdvR, Inc., Bozeman \$146,348

The Board liked this project because:

- Medium risk, high potential, short-term project
- Company has good track record.
- NASA peer reviews indicate the project represents a potentially major breakthrough in the 1 to 2 orders of magnitude

The Board expressed no particular concerns.

#08-07 Engineering Analysis of Silica Polyamine Composites Used for Metal Removal and Recovery
Bill Gleason, Montana Tech, Butte
\$296,272

The Board liked this project because:

- Project seeks funding for technical sales to move beyond current proof of concept.
- High commercialization potential

The Board expressed concerns as follows:

The Board has already provided sufficient funding to this project

#08-08 Native Solutions for an Invasive Problem: Using Natural Techniques for the Fight on Knapweed Giles Thelen, Native Yards, Inc., Missoula \$57,773

The Board liked this project because:

- Effort to breed strains of knapweed resistant wild native grasses.
- Knapweed issue is huge in many parts of the state.

The Board expressed concerns as follows:

- Futility of spending time on activated charcoal and opaque cloth
- Would rather see the project focused on the seed and eliminating the cloth and activated charcoal research.

#08-09 Precision Absorbance Colorimetric Sensor (PACS) Jim Beck, Sunburst Sensors, LLC, Missoula \$147,310

The Board liked this project because:

- Medium risk, high potential
- Positive return on investment.

The Board expressed concerns as follows:

Size of market is limited.

#08-10 Targeting of Human Cancer Cell Receptors – Delivering Therapeutic Agents to Subcutaneous Tumors
Charles Spangler, MPA Technologies, Inc., Bozeman
\$116,750

The Board liked this project because:

- Addresses a serious problem
- Platform technology looks good.

The Board expressed concerns as follows:

• Path to commercialization could be difficult.

#08-11 Rapid Proteomic Analysis of Peptides and Proteins Ross Snider, Snider Technology, Inc., Bozeman \$313,750

The Board liked this project because:

• NIH SBIR funding is in place.

The Board expressed concerns as follows:

- Building the boards is difficult and the people and facility may not be adequate.
- Is similar research being conducted elsewhere?

#08-12 Research on Native Grass Morphology to Guide Development of Core Technologies of the Arbuckle Native Seedster Lee Arbuckle, Arbuckle Ranch, Inc., Billings \$30,644

The Board liked this project because:

- Potential high return on investment
- MMEC support
- USDA SBIR funding

The Board expressed no particular concerns.

#08-13 Development and Application of New Magnetic Technology for Detection of Unexploded Ordnance (UX)) at Ongoing Clearance Sites in Montana Curtis Link, Montana Tech, Butte \$146,500

The Board liked this project because:

- Good technology
- Intriguing project
- Significance of issue

The Board expressed concerns as follows:

Limited market?

#08-14 LiteOwl: Customizable UAVs for Resource Management Applications John Bognar, Anasphere, Inc., Bozeman \$317,000

The Board liked this project because:

Use of NASA technology

The Board expressed concerns as follows:

- No exclusivity on the technology
- FAA has shut down flying UAVs in some areas and, until that changes, these kinds of UAVs will not be flown.
- Would like to see this project collaborate with #08-44 because this has the better platform, #08-44 has better hyperspectral camera.
- Hard to come across examples where someone has made a lot of money by selling similar product or service.
- Expensive to apply technology

The Board requested a presented.

#08-15 Research, Development, Test and Evaluation of Adelos System Alex Philip, TerraEchos, Inc., Missoula \$524,903

Larry Hall recused.

The Board liked this project because:

- Good commercialization and marketing plan
- Significant market
- Good discussion of risks involved
- Exclusive rights to manufacture the hardware in Montana

The Board expressed concerns as follows:

Peer review questions relating to underestimation of budget

- Budgeted fee in addition to Grants & administration fee not allowable by MBRCT
- Expensive to bring to market
- Not exclusive

#08-16 Research and Commercialization of the SepticNET™ Nutrient Removal Technology

Steven Anderson, Water & Environmental Technologies, PC, Butte \$182,388

The Board showed no particular interest in this project.

The Board expressed concerns as follows:

- Competing products exist that require less maintenance.
- Peer review critical of the system
- Not highly innovative

#08-17 A New Approach to Discovering Biomarkers for Health and Disease Diagnosis in the Peptidome using Zydes

Edward Dratz, Montana State University, Bozeman \$400,000

The Board liked this project because:

- Interesting project aimed at early detection of Type II diabetes
- Identifies real applications for other diseases
- Supports rapidly growing Proteomics industry in Bozeman area

The Board expressed concerns as follows:

Potentially long-term commercialization than some other projects

#08-18 Zdye Detection of Differential Activity-Based Proteomics (dABP): Application to Improved Degradation of Agricultural Cellulose Wastes for Production of Ethanol Fuel Don Thorne, Zdye LLC, Gallatin Gateway \$400,000

The Board showed no particular interest in this project.

The Board expressed concerns as follows:

- Significant sub-contract to MSU incorporating indirect costs as private company
- Questionable whether the research is the way to identify Cellulosic characteristics

#08-19 Zero Voltage Switching Research Gene Kuntz, ILX Lightwave Corporation, Bozeman \$159,673

The Board liked this project because:

- Medium risk, high commercialization potential, near-term, if it works
- Company is providing the match.
- Company is a leader in the industry and has been in the market for a long time.

The Board expressed concerns as follows:

• Is limited technical background information provided in the proposal due to concern with protecting intellectual property?

The Board asked for a presentation.

#08-20 S2 Material Based Frequency Stable Laser (S2-FSL) Technology Development for Coherent Optical Communications
Kristian Merkel, S2 Corporation, Bozeman
\$250,037

The Board liked this project because:

- Scientific Materials has stayed in Bozeman.
- Good technology
- Potential to raise substantial amount of SBIR funding

The Board expressed concerns as follows:

• Might this technology be sold to Flir once it is developed?

#08-21 WindCatcher – A Novel Design in Wind Machines James Bailey, WindCatcher Windmills, LLC, East Helena \$375,000

The Board showed no particular interest in the project.

The Board expressed concerns as follows:

- Technical feasibility of transferring wind to hydraulic to electrical and not losing efficiency
- Anticipated use of sales of stock in company to private investors as match

#08-23 Standardized Heavy Duty Tow Vehicle Platform Rob Cook, Intercontinental Truck Body, Conrad \$442,800

The Board liked this project because:

- Solid project in Conrad
- Have received money from Board of Investments, CDBG, Workforce Investment

The Board expressed concerns as follows:

- Is this a research project?
- Is there a contract in hand or are they trying to respond to an RFP?

#08-24 A Collaborative Statistical Computing Platform for Life Sciences Research Christophe Lambert, Golden Helix, Inc., Bozeman \$360,000

The Board liked this project because:

- Potential positive return on investment
- Company is contributing matching funds

The Board expressed concerns as follows:

• How realistic is near-term commercialization?

#08-25 Research and Development of Acute and Chronic Wound Care Products Brett Baker, Microbion Corporation, Bozeman \$400,000

The Board liked this project because:

Connection to biofilm industry

The Board expressed concerns as follows:

Does Army require match for every year of the five-year project?

#08-26 Innovative Commercialization Strategies for Clean Coal and Geologic Carbon Sequestration in Montana

David Bowen, Big Sky Carbon Sequestration Partnership, MSU, Bozeman \$491,308

The Board liked this project because:

- It factors into HB715 regarding funding clean, renewable energy projects
- Big Sky Carbon Sequestration Partnership is a multi-state organization led by Montana State University

The Board expressed concerns as follows:

- Project is asking for a lot of money from MBRCT and already has obtained a large federal grant. Are MBRCT resources better used elsewhere?
- Proposed budget does not address transportation costs of building pipeline
- Proposal does not address how gasses will be purified and the product converted so it can be sent underground.
- What experience has team had in the oil business?

The Board requested a presentation.

#08-27 Durum with Low-Cadmium Uptake for Production in Montana Joyce Eckhoff, MSU Eastern Agricultural Research Center, Sidney/Bozeman \$54,000

The Board liked this project because:

- Addresses issue that Montana has higher cadmium levels than desired in European Union
- Inexpensive project
- Low risk, medium potential

The Board expressed concerns as follows:

Proposal could do a better job of describing the research.

#08-28 Mesh Networking with Smart Adaptive Antennas for Wireless Communications in Rural and Sparsley Populated Areas Richard Wolff, Montana State University, Bozeman \$216,394

The Board expressed no particular interest in this project.

The Board expressed concerns as follows:

Other technologies will make this obsolete.

#08-29 Prescriptive Analysis of Pathogen Populations to Improve Small Grain Yields for Montana Alan Dyer, Montana State University, Bozeman \$243,280

The Board liked this project because:

 Interesting project to find ways to forecast Fusarium crown rot in real time by using minutes amounts of DNA.

The Board expressed concerns as follows:

Other agriculture projects better candidates for funding

#08-30 Improving Milling and End Use Quality of Montana Wheat John Martin, Montana State University, Bozeman \$139,260

The Board liked this project because:

- Interesting hybrid project combining science, research and commercialization
- An "okay" project if money is available.

The Board expressed no particular concerns regarding this project.

#08-32 The Development of Several Novel Waste Treatment Products Utilizing Endophytic Microorganisms
Gary Strobel, Montana State University, Bozeman
\$183,000

The Board liked this project because:

• The product works and is selling.

The Board expressed concerns as follows:

- Company needs to find ways to be self-funding.
- Board needs to use limited available money to get other projects to this point.

#08-33 Novel Camelina Oils for Biofuel and Biolubricants Chaofu Lu, Montana State University, Bozeman \$229,900

The Board liked this project because:

Paul Tuss recused.

- Importance of research likely in the development of different varieties engineered for different uses.
- Camelina provides nice ground cover, especially in poor soils, with very little water.
- Provides options to growing wheat

The Board expressed concerns as follows:

- Camelina is considered to be a noxious weed in some areas.
- Skeptical that Camelina can be successfully used as a fuel additive to increase mileage and reduce emissions

#08-34 Image-Guided Photodynamic Therapy to Sanitize Breast Cancer Draining Lymph Nodes

Jean Starkey, Montana State University, Bozeman \$118,500

The Board liked this project because:

Addresses a significant health issue

The Board expressed concerns as follows:

Peer reviews were critical of some of the assumptions.

#08-35 Genetically Engineered Biophotonic Nanoprobes for Two-Photon Microscopy Mikhail Drobizhev, Montana State University, Bozeman \$99,200

The Board liked this project because:

Good science, practical application

The Board expressed concerns as follows:

• Is similar research being conducted somewhere else?

#08-36 Evaluation of Safflower and other Oilseed Crops for Biodiesel/Biobased Products Production in Montana

Jerald Bergman, MSU Eastern Agricultural Research Center, Sidney/Bozeman \$75,000

The Board liked this project because:

Previous projects have reached successful completion.

The Board expressed concerns as follows:

- Not novel or unique
- Inadequate commercialization plan

#08-37 Development of a Novel Mems Pressure Sensor Ahsan Mian, Montana State University, Bozeman \$154,690

The Board expressed no particular interest in this project.

The Board expressed concerns as follows:

- Questionable match
- Peer review consisted of little more than letters of recommendation.
- No discussion regarding market potential.
- Similar technology can be licensed from NASA.

#08-38 Enhanced Bioextraction of Metals from Ores Using Novel Thermoacidophilic Microorganisms from Yellowstone National Park Richard Macur, Montana State University, Bozeman \$63,900

The Board expressed no particular interest in this project.

The Board expressed concerns as follows:

Doesn't appear to be a novel technique to find desirable microorganisms

#08-40 Single Gene Improvements of Elite Montana Winter Wheat Varieties Using Marker-Assisted Selection
Phil Bruckner, Montana State University, Bozeman
\$102,000

The Board liked this project because:

- Good science
- Not asking for a lot of money

The Board expressed concerns as follows:

• There are better production agriculture applications than this one.

#08-41 Development and Demonstration of Trap Strips for Sawfly Management: A Bridge to Implementation for Montana Producers

David Weaver, Montana State University, Bozeman \$38,000

The Board expressed no particular interest in this project.

The Board expressed concerns as follows:

Wheat/sawfly project the Board has been funding for quite some time

#08-42 Developing Anti-Icing Liquids with Montana Agricultural Byproducts Xianming Shi, Montana State University, Bozeman \$150,000

The Board liked this project because:

• Solve many problems if it works.

The Board expressed concerns as follows:

- Weak on commercialization time frame
- Lack of discussion regarding how they are going to tailor technology to specific conditions.
- Report not particularly well written

The Board requested a presentation.

#08-43 Identifying Genes Conferring Enhanced Cellulosic Ethanol Production Potential for Barley Straw and Forage Victoria Carollo, Montana State University, Bozeman \$68,200

The Board liked this project because:

- Important step in the process of converting barley straw to ethanol
- Interesting use of cattle rumen for the research
- Significant potential to succeed

The Board expressed no particular concerns.

#08-44 Unmanned Aerial Vehicle Deployment of Hyperspectral Imaging Spectrometers for Noxious Weed Mapping and Carbon Sequestration Site Monitoring Kevin Repasky, Montana State University, Bozeman \$136,890

The Board liked this project because:

• Opportunity to provide Resonon an application for its hardware.

The Board expressed concerns as follows:

• Like to see collaboration with #08-57

#08-45 Broadband Direct Digital Conversion with Spatial Spectral Holographic Technology

W. Randall Babbitt, Montana State University, Bozeman \$149,478

The Board liked this project because:

- If successful, there are huge markets.
- Platform technology has proven valuable.
- Cutting-edge researcher has brought in significant amounts of money to the university.
- Peer review indicated strong support.

The Board expressed no particular concerns.

#08-46 Development of Spring Wheat Varieties for Western Montana Jamie Sherman, Montana State University, Bozeman \$225,000

The Board showed no particular interest in this project.

The Board expressed concerns as follows:

- Study of 90,000 acres of wheat in Western Montana compared to 2 million acres in the rest of the state
- Is the project trying to perpetuate a crop rather than developing alternative crops?

#08-47 Remote Sensor for Methamphetamine Lab Detection Peter Roos, Montana State University, Bozeman \$198,000

The Board liked this project because:

- Could provide evidence for probable cause.
- Could alert law enforcement to methamphetamine lab when entry is related to other problems.

The Board expressed concerns as follows:

 Methamphetamine production may be decreasing in Montana since larger amounts are being produced in Mexico.

The Board requested a presentation.

#08-48 Collaborative Research Applications of Innovative Protein Fluorescence Lifetime Spectrometer

Gregory Gillispie, Fluorescence Innovations, Inc., Bozeman \$375,000

Larry Hall recused.

The Board liked this project because:

- Principal Investigator has made effort to move to Montana from North Dakota to launch this company and has built collaborative relationships with other researchers in the state.
- Reviews are very supportive.

The Board expressed concerns as follows:

- Individual research projects not clearly described
- Proposal could be more clearly written.

#08-49 Development of a Universal Kinase Assay for Ultra High-Throughput Screening in Drug Delivery

Kirk Hartel, Fluorescence Innovations, Inc., Bozeman \$105,000

The Board liked this project because:

Has obtained NIH SBIR funding

The Board expressed no particular concerns.

#08-52 Sonographic Analysis for Rapid Detection of Varroa Mites and Other Pathologies without Opening the Beehive

Robert Seccomb, Bee Alert Technology, Inc., Missoula \$80,000

Larry Hall recused.

The Board liked this project because:

- Timely issue
- Researcher does cutting-edge research.
- Researcher has made national news as a recognized expert.
- Match funding from USDA will begin on May 1, 2007.

The Board expressed concerns as follows:

 Source of matching funds in proposal is questionable – but staff has received information that funds from USDA will be available.

#08-56 Conduct and Complete Research and Development of a Novel and Sustainable Technology for Making Cellulosic Biobutanol Advanced Biofuel from Montana Wheat Straw

Manfred Biermann, Resodyn Corporation, Butte \$405,000

The Board liked this project because:

Biobutonal is a better fuel, and easier to handle, than ethanol

The Board expressed concerns as follows:

- Do not address cost related to processes required for each enzyme
- EPA review is not included in the proposal.

The Board requested a presentation.

#08-57 MINTS – Montana Integrated Notification and Tracking System Lynn Churchill, AquilaVision, Inc., Missoula \$94,894

Larry Hall recused.

The Board expressed no particular interest in this project.

The Board expressed concerns as follows:

Proposal contained numerous generalizations.

#08-58 Design of Ultra High Pressure Water Jet Cutting Pump Richard Donovan, Montana Tech, Butte \$198,476

The Board liked this project because:

- Short time frame to commercialization
- Could significantly expand APEX operations.

The Board expressed concerns as follows:

 Project is as much a validation of the RAVE model as designing high-pressure pumps.

#08-59 Preclinical Development of Low Dose Methamphetamine as a Neuroprotective Agent

David Poulsen, Montana Neuroscience Institute, University of Montana/St. Patrick Hospital, Missoula \$141,236

The Board liked this project because:

- Preliminary data is impressive.
- High potential
- Spin-off from Dr. Bridges' projects, which the Board has funded.

The Board expressed concerns as follows:

■ Title of application

#08-60 Signal De-mixing for Biomedical Applications with a Macroscopic Hyperspectral Scanner

Rand Swanson, Resonon, Bozeman

\$159,115

The Board expressed no particular interest in this project.

The Board expressed concerns as follows:

Potential market size relatively small at this point in time

#08-62 New Fluorescent Tools for Imaging Brain Structure and Function Anne Marie Quinn, Montana Molecular LLC, Bozeman \$195,100

The Board liked the project because:

Collaboration with Montana Neuroscience Institute and Montana State University

The Board expressed no particular concerns about the project.

#08-63 Tissue Associated Adult Stem Cells Jane Shelby, Bacterin International, Inc., Belgrade \$204,800

The Board liked this project because:

• Like to see diversification on Bacterin's part

The Board expressed no particular concerns about the project.

#08-65 Rapid Point-of-Care Diagnosis of Bacterial and Viral Pneumonia Brenda Spangler, SensoPath Technologies, Bozeman \$150,000

The Board showed no particular interest in this project.

The Board expressed concerns as follows:

- Peer review has not been conducted.
- Matching funds not firmed.

#08-66 Second Stage Field Clinical Trials & Bringing to Market of a Natural OTC ("Kre-Celazine") to Address Chronic Inflammation
Jeff Golini, All American Pharmaceutical, Billings
\$139.763

The Board liked this project because:

- The Principal Investigator's history of entrepreneurship and growing a successful small company in Montana
- Product appears to have significant healing capabilities.

The Board expressed concerns as follows:

 Proposal does not adequately explain purpose for using Olympic Center in Bulgaria. The Board will tour All American Pharmaceuticals facility at its May 31st presentation meeting in Billings.

#08-67 Biomimetic Floating Islands that Maximize Plant and Microbial Synergistic Relationships to Revitalize Degraded Fisheries, Wildlife Habitats and Human Water Resources

Frank Stewart, Floating Island International, Bozeman \$433,488

The Board liked this project because:

- Current project is going smoothly.
- Research has potential.

The Board expressed concerns as follows:

- Concerns over "three-legged stool", i.e. researcher, inventor, advertising agency
- Board has provided significant funding and it may be time to let the company make it on its own.

#08-68 Natural Feedstocks for Diversity-Oriented Synthesis Nigel Priestly, Promiliad Biopharma, Inc., Missoula \$359,070

The Board liked this project because:

- Peer reviews indicate research is unique and innovative.
- NIH funded project.

The Board expressed concerns as follows:

• Ohio connection could be better explained.

IV. Public Comment

There was no public comment.

V. Adjournment

The meeting adjourned at 5:45 p.m.

ned at 3.43 p.m.	
	Respectfully submitted,
	John Youngberg, Chairman